

FIG. 1

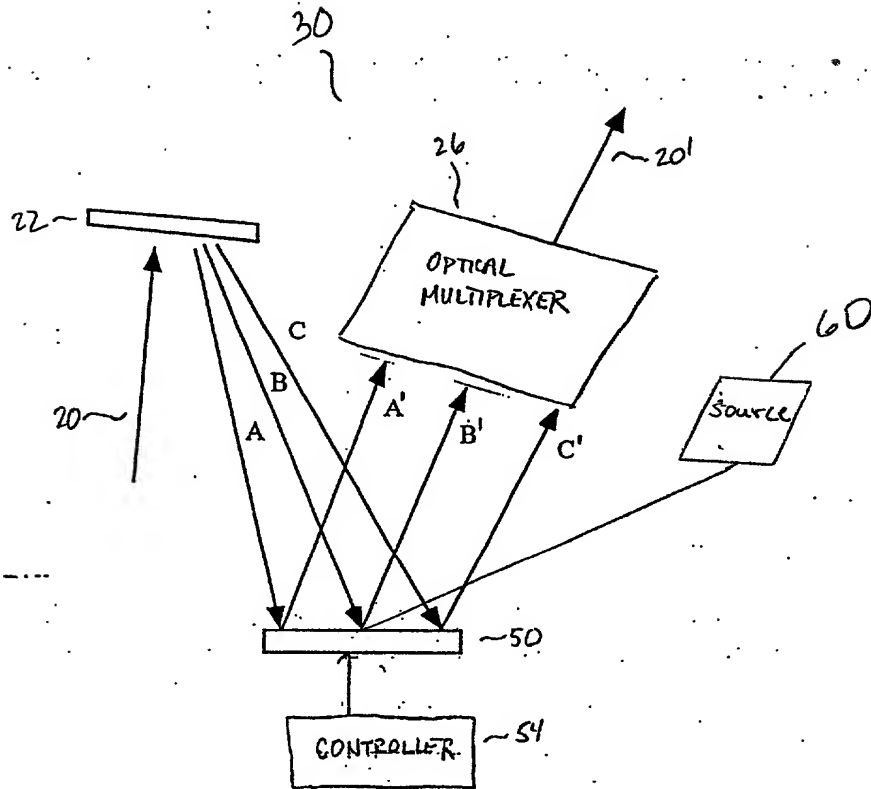


FIG. 2

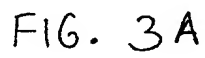


FIG. 3A

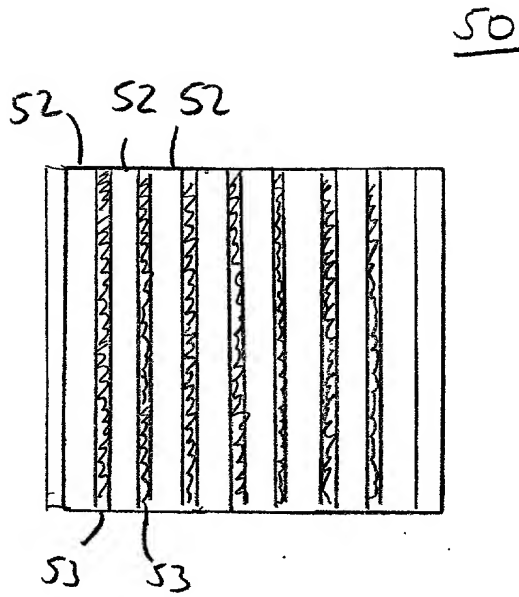


FIG. 3B

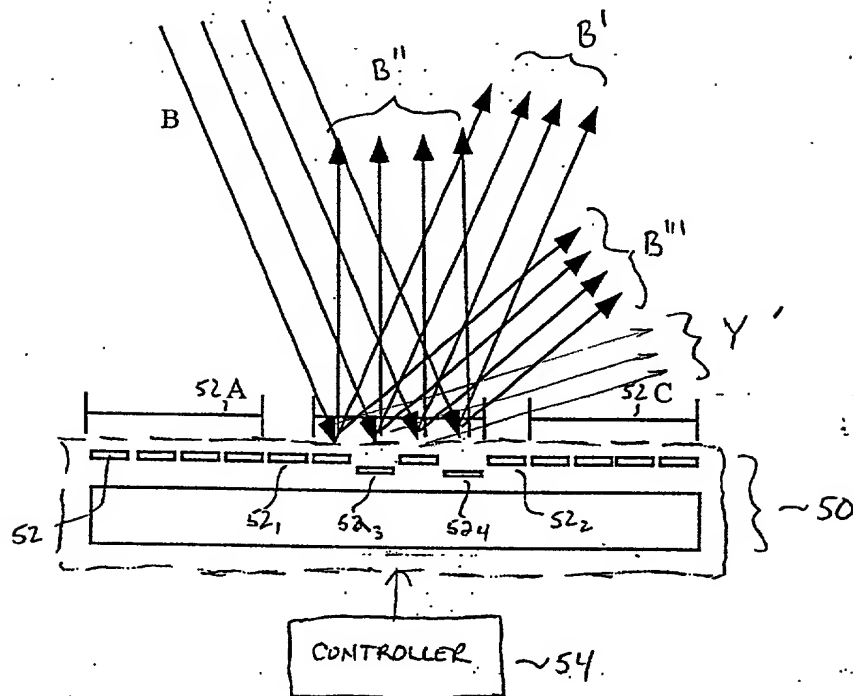


FIG. 4

Figure 5B

Figure 6A

The diagram shows a three-layer beam structure. The top layer is a thin beam with a downward force P_0 at the left end, a downward force t_1 at the first support, and a downward force 172 at the right end. The middle layer is a thicker beam with an upward force t_0 at the first support and an upward force 154 at the second support. The bottom layer is a thick beam with an upward force g_0 at the left end and an upward force 152 at the first support. The distance between the first and second supports is L , and the distance from the left end to the first support is L . The vertical distance between the top and middle layers is g_1 , and the vertical distance between the middle and bottom layers is g_0 .

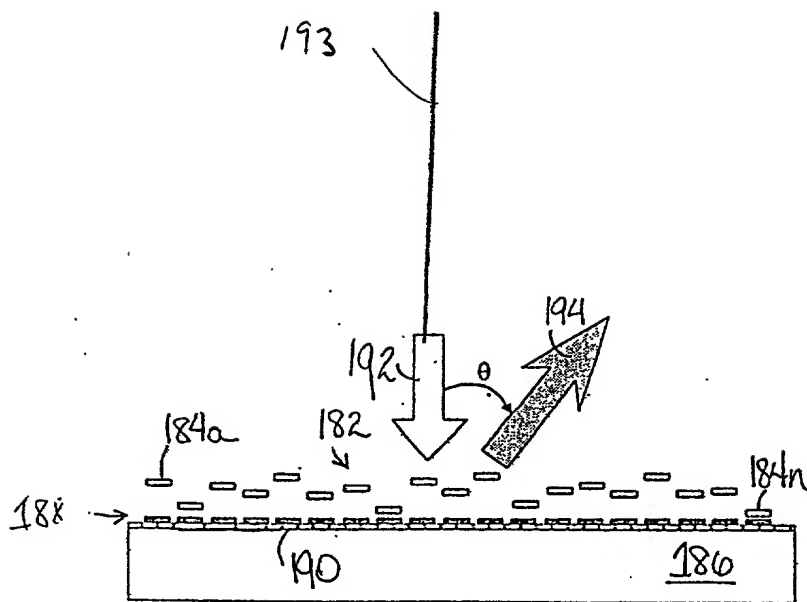


Fig 7

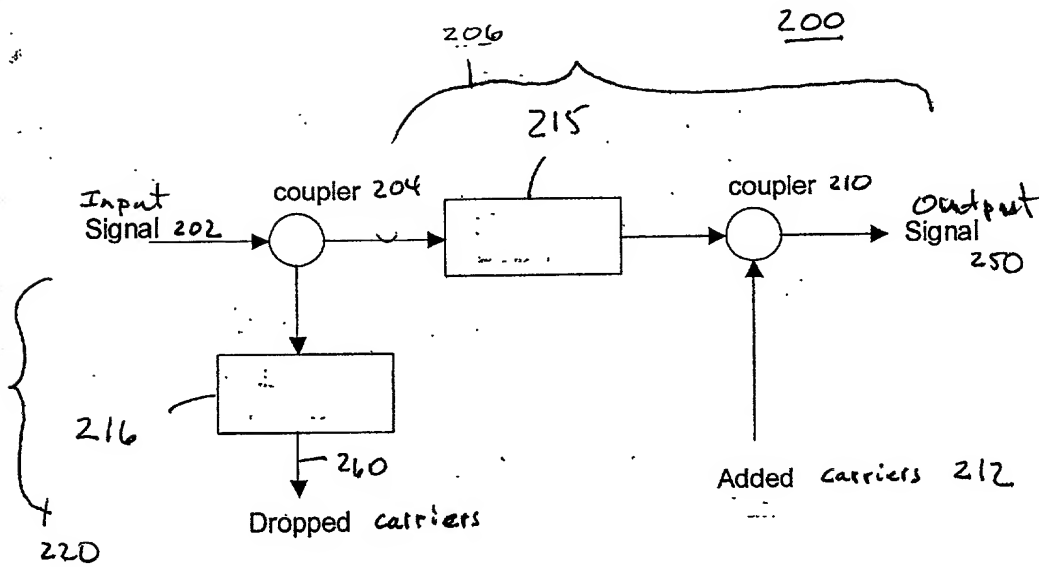


Fig. 8